

## CLAIMS

What is claimed is:

- 1 1. A method comprising:  
2 parsing a received index file to extract one or more entries; and  
3 selecting at least a subset of the extracted entries to store based at least in part upon both  
4 a spacing between the entries in the index file and an amount of memory available for allocation.
- 1 2. The method of claim 1, wherein parsing a received index file comprises:  
2 parsing a play list received through Universal Plug and Play (UPnP) networked  
3 communication.
- 1 3. The method of claim 2, further comprising sorting the stored entries.
- 1 4. The method of claim 2, wherein parsing the play list to extract entries comprises:  
2 parsing the play list to extract Universal Resource Indicators (URI's).
- 1 5. The method of claim 4, further comprising issuing a Hyper Text Transfer Protocol  
2 (HTTP)-RANGE command to retrieve an URI not stored in the memory.
- 1 6. The method of claim 1, wherein selecting at least a subset of the extracted entries to store  
2 further comprises:  
3 selecting at least a subset of the extracted entries to store without a priori knowledge as to  
4 a number of entries within the index file.

1 7. An electronic appliance, comprising:  
2 a network interface to receive an index file; and  
3 an index engine coupled with the network interface, the index engine to parse the index  
4 file for entries and to select entries to store based at least in part upon both the spacing between  
5 the entries in the index file and an amount of memory available for allocation.

1 8. The electronic appliance of claim 7, wherein the electronic appliance comprises a  
2 Universal Plug and Play (UPnP) Audio/Visual (AV) MediaRenderer.

1 9. The electronic appliance of claim 8, wherein the index file comprises a play list  
2 containing Universal Resource Indicators (URI's).

1 10. The electronic appliance of claim 9, further comprising the index engine to sort the stored  
2 entries.

1 11. The electronic appliance of claim 10, further comprising the index engine to issue a  
2 Hyper Text Transfer Protocol (HTTP)-RANGE command to retrieve an URI not stored in the  
3 memory.

1 12. The electronic appliance of claim 7, wherein the index engine to select entries to store  
2 further comprises the index engine to select entries to store without a prior knowledge as to a  
3 number of entries within the index file.

1 13. A storage medium comprising content which, when executed by an accessing machine,  
2 causes the machine to implement an index agent in the accessing machine, the index agent to  
3 receive an index file from a remote location in response to an event associated with a request, the  
4 index agent to parse the index file to extract entries, the index agent to select entries to store  
5 based at least in part upon both the spacing between the entries in the index file and an allocation  
6 of memory, and the index agent to store the selected entries into the memory.

1 14. The storage medium of claim 13, wherein the content to receive the index file comprises  
2 content which, when executed by the accessing machine, causes the accessing machine to  
3 receive a play list through Universal Plug and Play (UPnP) networked communication.

1 15. The storage medium of claim 14, wherein the content to parse the play list to extract  
2 entries comprises content which, when executed by the accessing machine, causes the accessing  
3 machine to parse the play list to extract Universal Resource Indicators (URI's).

1 16. The storage medium of claim 15, further comprising content which, when executed by  
2 the accessing machine, causes the accessing machine to sort the stored entries.

1 17. The storage medium of claim 16, further comprising content which, when executed by  
2 the accessing machine, causes the accessing machine to issue a Hyper Text Transfer Protocol  
3 (HTTP)-RANGE command to retrieve an URI not stored in the memory.

1 18. The storage medium of claim 13, wherein the content to select entries to store further  
2 comprises content which, when executed by the accessing machine, causes the accessing  
3 machine to select entries to store without a priori knowledge as to a number of entries within the  
4 index file.